

Title (en)
Low surface energy material

Title (de)
Material mit niedriger Oberflächenenergie

Title (fr)
Matériau à faible énergie de surface

Publication
EP 0654494 B1 19990317 (EN)

Application
EP 94117854 A 19941111

Priority
US 15535193 A 19931122

Abstract (en)
[origin: EP0654494A1] A low surface energy material comprising a volume grafted elastomer which is a substantially uniform integral interpenetrating network of a hybrid composition of a fluoroelastomer and a polyorganosiloxane, said volume graft having been formed by dehydrofluorination of said fluoroelastomer by a nucleophilic dehydrofluorinating agent, followed by a hydrosilation reaction, addition of a hydrogen functionally terminated polyorganosiloxane and a hydrosilation reaction catalyst. <IMAGE>

IPC 1-7
C08G 77/42; **G03G 15/20**; **C09D 183/10**

IPC 8 full level
B65H 5/06 (2006.01); **B65H 27/00** (2006.01); **C08F 8/26** (2006.01); **C08G 77/42** (2006.01); **C08G 77/442** (2006.01); **C08L 27/12** (2006.01); **C08L 83/04** (2006.01); **C08L 83/05** (2006.01); **C08L 87/00** (2006.01); **C09D 183/10** (2006.01); **C09J 7/02** (2006.01); **G03G 15/20** (2006.01)

CPC (source: EP US)
C08G 77/442 (2013.01 - EP US); **C09D 183/10** (2013.01 - EP US); **G03G 15/2025** (2013.01 - EP US); **G03G 15/2057** (2013.01 - EP US)

Citation (examination)
EP 0582841 A1 19940216 - BAYER AG [DE]

Cited by
US5779795A; AU2006259407B2; US7521509B2; EP1216832A1; CZ297926B6; US6766738B2; US7507444B2; US8242208B2; WO9706470A1; WO2006138467A1

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EP 94117854 A 19941111; BR 9404660 A 19941121; CA 2132472 A 19940920; DE 69417154 T 19941111; JP 27874494 A 19941114; US 15535193 A 19931122